

10/731448

C o g c

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Number: 6,818,775 B2)

Issued: November 16, 2004)

Patentee: Johnson et al.)

Title: ALKYL OR ARYL
SUBSTITUTED
DIHYDRONAPHTHALENE
DERIVATIVES HAVING RETINOID
AND/OR RETINOID ANTAGONIST-
LIKE BIOLOGICAL ACTIVITY)

-----)

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Commissioner for Patents,
P.O. Box 1450, Alexandria, VA 22313-1450

on December 13, 2005

by: Toni Whyte

Name of applicants, Assignees, or
Registered Representative

Signature

December 13, 2005

Date

**LETTER BRINGING ATTENTION TO
ERRORS IN PRINTED PATENT**

Assistant Commissioner for Patents
Washington, D. C. 20231

Certificate

DEC 21 2005

of Correction

Dear Sir:

Upon reviewing the above-identified issued patent, minor errors came to the
applicant's attention. These errors are of such minor nature that requesting a Certificate
of Correction is not deemed necessary.

The errors are as follows:

Column 8, line 32 (application page 16, line3), "is is phenyl" should be --is phenyl--

Column 17, line 23 (application page 34, line28), "a hashed line" should be
--a dashed line--

Column 48, line 44 (application page 76, line 17), "wihtin" should be --within--

Column 53, line 63 (application page 84, line22), "sope" should be --scope--

Column 77, line 25 (application page 124, line 17), "And" should be --and--

Column 85, line 17 (application page 143, line 11), "temparature" should be --temperature--

Column 95, line 21 (application page 166, line 26), "pressure ot" should be --pressure to--

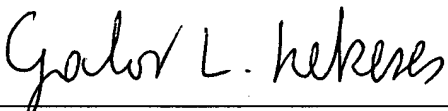
Column 107, line 45 (application page 194, line 22), "pruduct" should be --product--

Column 109, line 24 (application page 198, line 12), "and and column" should be --and column--

Column 111, line 53 (application page 203, line 22), "wre" should be --were--

Column 115, line 45 (application page 212, line 11), "undr" should be --under--

Respectfully submitted,

By: 
Gabor L. Szekeres, Reg. #: 28,675

LAW OFFICES OF GABOR L. SZEKERES
8141 E. Kaiser Blvd., Suite 112
Anaheim, California 92808
Tel: (714) 998-3295



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**REQUEST FOR CERTIFICATE OF
CORRECTION OF PATENT FOR PTO MISTAKES
(37 CFR 1.322(a))**

Assistant Commissioner for Patents
Washington, D. C. 20231

Dear Sir:

1. Attached in duplicate is Form PTO-1050 with at least one copy being suitable for printing.

2. The exact page and line number where the errors occur in the patent are:

Column 6, line 18 (application page 11, line 19), "ally" should be --alkyl--

Column 7, line 23 (application page 13, line 22), "C1" should be --C₁--

Column 17, line 30 (application page 35, line 8), "synthesis f" should be --synthesis of--

Column 27, line 33 (application page 49, line 18), "CH₂COOR" should be
-- CH₂COOR₈ --

Column 29, line 34, in Reaction Scheme 1, the catalyst for Compound G (application page 51, line 17), "CrO" should be --CrO₃--

Column 39, line 6 (application page 66, line 5), "lied" should be --linked--

Column 43, Compound C3, in Reaction Scheme 7 (application page 72, Compound C3), "double bond O" should be --OH--

Column 45, Compound C13, in Reaction Scheme 7 (application page 73, Compound C13), "double bond O" should be --OH--

Column 65, In Reaction Scheme 15, after compound F1 (application page 101, line 7), "BePh₃P" should be -- BrPh₃P --

Column 69, line 49 (application page 108, line28), "[2-(5,6-dimethyl" should be --[2-(5,5-dimethyl --

Column 70, line 51(application page 111, line1), "dihdronaphthalen" should be -- dihydronaphthalen --

Column 70, line 52 (application page111, line3), "038g" should be --0.38g--

Column 72, line 36(application page 114, line20), "crystalization" should be --recrystalization--

Column 74, line 55 (application page 119, line 13), "Compound 25" should be --Compound A25--

Column 77, line 40 (application page 125, line2), "137g" should be --1.37g--

Column77, line 43 (application page 125, line 6), "J=75" should be --J=7.5--

Column 80, line 48 (application page 132, line 1), "18.2 Hz" should be --8.2Hz--

Column 83, line 66 (application page 140, line15), "¹NMR" should be --¹H NMR --

Column 84, line 18 (application page141, line4), "7.12-738" should be --7.12-7.38--

Column 84, line 30 (application page 141, line 13), "There Was stirred" should be --The mixture was stirred--

Column 84, line 48 (application page142, line2), "1.30)t," should be --1.31)t,--

Column 96, line 25 (application page169, line9), "8.31 (H,dd," should be --8.31 (1H,dd,--

Column 97, line 14 (application page171, line6), "6 solution" should be --solution--

Column 97, line 42(application page 172, line 2), "1.40 (s,H,2.43" should be --1.40 (s, 6H), 2.43--

Column 98, line 21 (application page 173, line 18), "834 mmol" should be --8.34 mmol--

Column 98, line 36 (application page 174, line 3), "1,2,3-tetrahydro" should be --1,2,3,4-tetrahydro --

Column 99, line 2 (application page 175, line 6), "J=134" should be --J=1.34--

Column 99, line 56 (application page 177, line 1), "thyl" should be --ethyl--

Column 101, line 21 (application page 180, line 14), "methomethyloxy" should be -- methoxymethyloxy --

Column 102, line 45 (application page 183, line15), "J=81 Hz" should be -- J=8.1 Hz --

Column 103, line 42 (application page 185, line 19), "45 mini" should be --45 min--

Column 104, line 4 (application page 186, line18), "NH₄Cl" should be --NaCl--

Column 105, line 26 (application page 189, line 18), "445mg" should be --44.5 mg--

Column 105, line 43 (application page 190, line 6), "1553 mg" should be --155.3 mg--

Column 107, line 8 (application page 193, line 8), "1(H-(" should be --1(2H-(--

Column 107, line 34 (application page 194, line 12), "7.18" should be --7.78--

Column 109, line 17 (application page 198, line 5), "Compound E24" should be -- Compound E23--

Column 109, line 55 (application page 199, line 13), "in 20 mL" should be --in 2.0 mL--

Column 110, line 17 (application page 200, line 11), "757-7.68" should be --7.57-7.68--

Column 110, line 42 (application page 201, line 7), "137 mmol" should be --1.37 mmol --

Column 110, line 45 (application page 201, line 9), "reaction sure" should be --reaction mixture--

Column 111, line 6 (application page 202, line 7), "83 Hz" should be --8.3 Hz --

Column 111, line 32(application page 203, line 2), "0304 mmol" should be --0.304 mmol --

Column 112, line 12 (application page 204, line 16), "1.902.13" should be --1.90-2.13 --

Column 113, line 5 (application page 206, line 15), "(s, 3H3," should be --(s,3H),--

Column 113, line 27 (application page 207, line 9), "(d, J=8.7H 2)," should be --(d, J=8.7Hz, 2H)--

Column 113, line 55 (application page 208, line7), "1.5 mL T" should be --1.5 mL THF--

Column 114, line 42 (application page 210, line1), "83Hz" should be --8.3Hz--

Column 114, line 44 (application page 210, line 3), "5,6-dimethyl" should be --5,5-dimethyl --

Column 114, line 61 (application page 210, line 18), "8.15(c" should be --8.15(d--

Column 115, line 29 (application page 211, line 23-24), "1.76 J=6.9Hz" should be --1.76 (t, J=6.9Hz --

Column 116, line 30 (application page 214, line 3), "[2-(5,5-dimethyl" should be --[[(5,5-dimethyl --

Column 116, line 33 (application page 214, line 6), "[2-(5,5-dimethyl" should be --[[(5,5-dimethyl --

Column 116, line 63 (application page 215, line 6), "J=65" should be --J=6.5--

Column 117, line 27 (application page 216, line 6), "[2-(5,6-dimethyl" should be --[2-(5,5-dimethyl --

Column 117, line 49 (application page 216, line 26), "0300" should be --0.300--

Column 117, line 59 (application page 217, line 7), "137" should be --1.37--

Column 118, line 25 (application page 218, line 11), "CH₂C12" should be -- CH₂Cl₂--

Column 118, line 49 (application page 219, line 5), "1-37" should be --1.37--

Column 119, line 12 (application page 220, line 6), "152-2.15" should be --1.52-2.15--

Column 119, line 12 (application page 220, line 6), "354-3.61" should be --3.54-3.61--

Column 119, line 14 (application page 220, line 8), "J=83 Hz" should be -- J=8.3 Hz --

Column 119, line 20 (application page 220, line 13), "132" should be --1.32--

Column 119, line 50 (application page 221, line14), "3.984.05" should be --3.98-4.05--

Column 120, line 28 (application page 223, line 2), "142.10" should be --1.54-2.10--

Column 120, line 29 (application page 223, line 3), "357-3.64" should be --3.57-3.64--

Column 120, line 31 (application page 223, line 5), "7.347.47" should be --7.64-7.47--

Column 120, line 33 (application page 223, line 7), "[5,6,7,9-tetrahydro" should be --[5,6,7,8-tetrahydro --

Column 120, line 48 (application page 223, line 20), "3.984.06" should be --3.98-4.06--

Column 121, line 39 (application page 225, line 19), "ethyl-[5,6,7,8" should be -- ethyl 4-[5,6,7,8--

Column 121, line 51 (application page 226, line 2), "colorless of" should be --colorless oil--

Column 122, line 11 (application page 227, line 4), "5-diethyl" should be --5-dimethyl --

Column 122, line 34 (application page 227, line 27), "Compound 2b" should be -- Compound E72b--

Column 122, line 22 (application page 227, line 14), "colorless off" should be --colorless oil--

Column 122, line 36 (application page 228, line 1), "156-2.10" should be --1.56-2.10--

Column 123, line 4 (application page 229, line 5), "151-2.02" should be --1.51-2.02--

Column 123, line 11 (application page 229, line 14), "reparation" should be --preparation--

Column 126, claim 7 (amendment page 7, claim 9), "X₂" should be deleted

Column 126, line 38, claim 7 (amendment page 8, amendment date of December 9, 2003, claim 9), "alkcyl" should be --alkyl--

3. Please send the Certificate to:

GABOR L. SZEKERES
LAW OFFICES OF GABOR L. SZEKERES
8141 E. Kaiser Blvd., Suite 112
Anaheim, California 92808

Respectfully submitted,

By: Gabor L. Szekeres
Gabor L. Szekeres, Reg. #: 28,675
Attorney for patentee, assignee

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Tel: (714) 998-3295

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO :

6,818,775 B2
November 16, 2004

DATED :

Johnson et al.

INVENTOR(S) :

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 6, line 18, "ally" should be --alkyl--

Column 7, line 23, "C1" should be --C₁--

Column 17, line 30, "synthesis f" should be --synthesis of--

Column 27, line 33, "CH₂COOR" should be
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Column 39, line 6, "lied" should be --linked--

Column 43, Compound C3, in Reaction Scheme 7, "double bond O" should be --OH--

Column 45, Compound C13, in Reaction Scheme 7, "double bond O" should be --OH--

Column 65, In Reaction Scheme 15, after compound F1, "BePh₃P" should be -- BrPh₃P --

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Column 120, line 28, "142.10" should be --1.54-2.10--

Column 120, line 29, "357-3.64" should be --3.57-3.64--

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Column 120, line 33, "[5,6,7,9-tetrahydro" should be
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Column 122, line 11, "5-diethyl" should be
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Column 122, line 34, "Compound 2b" should be --Compound E72b--

Column 122, line 22, "colorless off" should be --colorless oil--

Column 122, line 36, "156-2.10" should be --1.56-2.10--

Column 123, line 4, "151-2.02" should be --1.51-2.02--

Column 123, line 11, "reparation" should be
--preparation--

600-12-DIV 5

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6,818,775 B2

PATENT NO.

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,818,775 B2
DATED : November 16, 2004
INVENTOR(S) : Johnson et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 126, claim 7, "X₂" should be deleted

Column 126, line 38, claim 7, "alkcyl" should be --alkyl--

MAILING ADDRESS OF SENDER:

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PATENT NO. 6,818,775 B2
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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO :

6,818,775 B2

DATED :

November 16, 2004

INVENTOR(S) :

Johnson et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 6, line 18, "ally" should be --alkyl--

Column 7, line 23, "C1" should be --C₁--

Column 17, line 30, "synthesis f" should be --synthesis of--

Column 27, line 33, "CH₂COOR" should be
-- CH₂COOR₈ --

Column 29, line 34, in Reaction Scheme 1, the catalyst for Compound G, "CrO" should be --
CrO₃--

Column 39, line 6, "lied" should be --linked--

Column 43, Compound C3, in Reaction Scheme 7, "double bond O" should be --OH--

Column 45, Compound C13, in Reaction Scheme 7, "double bond O" should be --OH--

Column 65, In Reaction Scheme 15, after compound F1, "BePh₃P" should be -- BrPh₃P --

600-12-DIV 5

6,818,775 B2

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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

6,818,775 B2
November 16, 2004
Johnson et al.

PATENT NO :
DATED :
INVENTOR(S) :

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 69, line 49, "[2-(5,6-dimethyl" should be
--[2-(5,5-dimethyl --

Column 70, line 51, "dihdronaphthalen" should be
- dihydronaphthalen --

Column 70, line 52, "038g" should be --0.38g--

Column 72, line 36, "crystalization" should be
--recrystalization--

Column 74, line 55, "Compound 25" should be
--Compound A25--

Column 77, line 40, "137g" should be --1.37g--

Column 77, line 43, "J=75" should be --J=7.5--

Column 80, line 48, "18.2 Hz" should be --8.2Hz--

Column 83, line 66, "¹NMR" should be --¹H NMR --

600-12-DIV 5

6,818,775 B2

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

6,818,775 B2

November 16, 2004

Johnson et al.

PATENT NO :

DATED :

INVENTOR(S) :

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 84, line 18, "7.12-738" should be --7.12-7.38--

Column 84, line 30, "There Was stirred" should be --The mixture was stirred--

Column 84, line 48, "1.30)t," should be --1.31)t,--

Column 96, line 25, "8.31 (H,dd," should be --8.31 (1H,dd,--

Column 97, line 14, "6 solution" should be --solution--

Column 97, line 42, "1.40 (s,H,2.43" should be
--1.40 (s, 6H), 2.43--

Column 98, line 21, "834 mmol" should be --8.34 mmol--

Column 98, line 36, "1,2,3-tetrahydro" should be
--1,2,3,4-tetrahydro --

Column 99, line 2, "J=134" should be --J=1.34--

Column 99, line 56, "thyl" should be --ethyl--

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6,818,775 B2

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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO :
DATED :
INVENTOR(S) :

6,818,775 B2
November 16, 2004
Johnson et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 101, line 21, "methomethyloxy" should be
-- methoxymethyloxy --

Column 102, line 45, "J=81 Hz" should be -- J=8.1 Hz --

Column 103, line 42, "45 mini" should be --45 min--

Column 104, line 4, "NH₄Cl" should be --NaCl--

Column 105, line 26, "445mg" should be --44.5 mg--

Column 105, line 43, "1553 mg" should be --155.3 mg--

Column 107, line 8, "1(H-(" should be --1(2H-(--

Column 107, line 34, "7.18" should be --7.78--

Column 109, line 17, "Compound E24" should be
-- Compound E23--

Column 109, line 55, "in 20 mL" should be --in 2.0 mL--

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6,818,775 B2
PATENT NO.

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO :

6,818,775 B2

DATED :

November 16, 2004

INVENTOR(S) :

Johnson et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 110, line 17, "757-7.68" should be --7.57-7.68--

Column 110, line 42, "137 mmol" should be --1.37 mmol --

Column 110, line 45, "reaction sure" should be
--reaction mixture--

Column 111, line 6, "83 Hz" should be --8.3 Hz --

Column 111, line 32, "0304 mmol" should be
--0.304 mmol --

Column 112, line 12, "1.902.13" should be --1.90-2.13 --

Column 113, line 5, "(s, 3H3," should be --(s,3H),--

Column 113, line 27, "(d, J=8.7H 2)," should be
--(d, J=8.7Hz, 2H)--

Column 113, line 55, "1.5 mL T" should be --1.5 mL THF--

Column 114, line 42, "83Hz" should be --8.3Hz--

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6,818,775 B2

PATENT NO.

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO :

6,818,775 B2

DATED :

November 16, 2004

INVENTOR(S) :

Johnson et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 114, line 44, "5,6-dimethyl" should be
--5,5-dimethyl --

Column 114, line 61, "8.15(c)" should be --8.15(d--

Column 115, line 29), "1.76 J=6.9Hz" should be
--1.76 (t, J=6.9Hz --

Column 116, line 30, "[2-(5,5-dimethyl)" should be
--[[(5,5-dimethyl --

Column 116, line 33, "[2-(5,5-dimethyl)" should be
--[[(5,5-dimethyl --

Column 116, line 63, "J=65" should be --J=6.5--

Column 117, line 27, "[2-(5,6-dimethyl)" should be --[2-(5,5-dimethyl --

Column 117, line 49, "0300" should be --0.300--

Column 117, line 59, "137" should be --1.37--

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6,818,775 B2

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO :
DATED :
INVENTOR(S) :

6,818,775 B2
November 16, 2004
Johnson et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 118, line 25, "CH₂C12" should be -- CH₂Cl₂--

Column 118, line 49, "1-37" should be --1.37--

Column 119, line 12, "152-2.15" should be --1.52-2.15--

Column 119, line 12, "354-3.61" should be --3.54-3.61--

Column 119, line 14, "J=83 Hz" should be -- J=8.3 Hz --

Column 119, line 20, "132" should be --1.32--

Column 119, line 50, "3.984.05" should be --3.98-4.05--

Column 120, line 28, "142.10" should be --1.54-2.10--

Column 120, line 29, "357-3.64" should be --3.57-3.64--

Column 120, line 31, "7.347.47" should be --7.64-7.47--

Column 120, line 33, "[5,6,7,9-tetrahydro" should be
--[5,6,7,8-tetrahydro --

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6,818,775 B2

PATENT NO. _____

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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

6,818,775 B2
November 16, 2004
Johnson et al.

PATENT NO :
DATED :
INVENTOR(S) :

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 120, line 48, "3.984.06" should be --3.98-4.06--

Column 121, line 39, "ethyl-[5,6,7,8" should be
-- ethyl 4-[5,6,7,8--

Column 121, line 51, "colorless of" should be --colorless oil--

Column 122, line 11, "5-diethyl" should be
--5-dimethyl --

Column 122, line 34, "Compound 2b" should be --Compound E72b--

Column 122, line 22, "colorless off" should be --colorless oil--

Column 122, line 36, "156-2.10" should be --1.56-2.10--

Column 123, line 4, "151-2.02" should be --1.51-2.02--

Column 123, line 11, "reparation" should be
--preparation--

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6,818,775 B2

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DATED : November 16, 2004
INVENTOR(S) : Johnson et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 126, claim 7, "X₂" should be deleted

Column 126, line 38, claim 7, "alkcyl" should be --alkyl--

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